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(71) Applicant (for all designated States except US): TISSAGE ET ENDUCTION SERGE FERRARI SA [FR/FR]; Zone Industrielle de la Tour du Pin, F-38110 Saint Jean de Soudain (FR).

(72) Inventors; and

(75) Inventors/Applicants (US only): MARTIN, G  raldine

[FR/FR]; Saint-Roch 1, F-38110 La Tour du Pin (FR).  
PERILLON, Jean-Luc [FR/FR]; 22, chemin des  
Fayettes, F-26130 Saint Paul Trois Chateaux (FR).

(74) Representatives: CABINET PLASSERAUD etc.;  
65/67 rue de la Victoire, F-75440 Paris Cedex 9 (FR).

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(54) Title: METHOD FOR THE TREATMENT OF ARCHITECTURAL FABRICS BY MEANS OF IMPREGNATION WITH AN ELASTOMERIC CROSS-LINKABLE SILICONE COMPOSITION, AND ARCHITECTURAL FABRIC COATED BY MEANS OF SAID METHOD

(54) Titre : PROCEDE DE TRAITEMENT PAR IMPREGNATION DE TEXTILES ARCHITECTURAUX PAR UNE COMPOSITION SILICONE RETICULABLE EN ELASTOMERE ET TEXTILE ARCHITECTURAL AINSI REVETU

(57) Abstract: The invention relates to the production of architectural silicone membranes by impregnating an architectural fabric, particularly but not exclusively fiberglass, with an elastomeric silicone composition especially of type RTV-2 which vulcanizes by hydrosilylation (polyaddition). The aim of the invention is to improve a treatment method at least by impregnating fibrous materials with a liquid silicone composition consisting of 100 percent of silicone RTV-2. The inventive method comprises the following essential steps: Ii) an elastomeric crosslinkable liquid silicone composition comprising (a) a vinyl polyorganosiloxane (POS), (b) at least one hydrogenated POS, (c) a platinum catalyst, (d) an optional adhesive, (e) an optional mineral charge, (f) an optional cross-linkage inhibitor, an optional POS resin, and optional functional additives is applied to a fibrous material; Iii) cross-linking is done; Iii) optionally, at least one other sequence comprising steps Ii) and Iii) (i representing a positive whole number) as defined above in steps Ii and Iii is carried out. The inventive method is characterized by the fact that the fibrous material is fully impregnated with a liquid silicone composition as defined above in step Ii, said liquid silicone composition being fluid and being obtained without being diluted, solubilized, or emulsified. The invention also relates to the (composite) architectural silicone membrane that is fully impregnated with a fluid silicone liquid that consists of 100 percent of RTV-2.

(57) Abr  g   : L'invention concerne la r  alisation de membranes silicones architecturales obtenues par impr  gnation d'un textile architectural, en particulier mais non limitativement d'un tissu de verre, au moyen de la composition silicone -notamment de type RTV2-   lastom  re vulcanisable par hydrosilylation (polyaddition). Le but de l'invention est la mise au point d'un proc  d   de traitement au moins par impr  gnation de mat  riaux fibreux,    l'aide d'une composition silicone liquide 100 % silicone RTV-2. Les   tapes essentielles du proc  d   sont les suivantes: -Ii- application sur un mat  riau fibreux d'une composition silicone liquide r  ticulable en   lastom  re, comprenant (a) un polyorganosiloxane (POS) vinyli  ; (b) au moins un POS hydrog  n  ; (c) un catalyseur au platine; (d)   ventuellement un promoteur d'adh  rence; (e)   ventuellement une charge min  rale; (f)   ventuellement un inhibiteur de r  ticulation; et   ventuellement une r  sine POS;   ventuellement des additifs fonctionnels; -Iii- r  ticulation; -Iii-   ventuellement au moins une autre s  quence comprenant les   tapes Ii et Iii (i est un entier positif) r  pondant    la m  me d  finition que celle donn  e ci-dessus pour les   tapes Ii et Iii; caract  ris   en ce que l'  tape Ii est une   tape d'impr  gnation    coeur du mat  riau fibreux    l'aide d'une composition silicone liquide telle que d  finie ci-dessus et   tant par ailleurs fluide et obtenue en ayant recours ni    une dilution, ni    une solubilisation, ni    une   mulsification. L'invention concerne aussi la membrane silicone architecturale (composite) impr  gn      coeur    l'aide d'un liquide silicone fluide 100 % RTV-2.

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